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# WATER SUPPLY OUTLOOK FOR IDAHO



U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

IDAHO STATE DEPARTMENT OF WATER ADMINISTRATION

Data included in this report were obtained by the agencies named above in cooperation  
with Federal, State and private organizations listed inside the back cover of this report.

AS OF  
**MAY 1, 1975**

## TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

*Cover Photo: Cabins near Sacajawea Snow Course  
in Bridger Mountains, Montana.*

SCS PHOTO 11-P480-15

## PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 111, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P.O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

## PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia.



# **WATER SUPPLY OUTLOOK FOR IDAHO**

and  
**FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS**

*Issued by*

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# WATER SUPPLY OUTLOOK for IDAHO



## GENERAL SUMMARY FOR MAY 1, 1975

The 1975 water supply outlook is good to excellent throughout Idaho. Seasonal streamflow is forecast for above average on all watersheds, ranging from 113% of normal for the Snake River at Heise to 204% of average for Salmon Falls Creek. Inflow to Owyhee Reservoir in eastern Oregon is forecast at 232% of normal.

Reservoir storage is good to excellent and many reservoirs are being lowered in anticipation of high volume runoff when snowmelt begins.

Snow cover as of May 1 was above normal throughout the state. Exceptionally cool and wet weather which began in mid-March continued through April. Snow-water equivalent increased during the month on all high elevation snow courses, remained constant at middle elevations, and decreased at low elevations. Many low elevation courses have snow remaining for the first time on record.

April precipitation was above normal in all areas of Idaho, with valley precipitation generally in the range of 140% to 180% of the long term averages.

Even more notable were the extraordinarily cool temperatures which delayed the snowmelt and kept most streamflows unseasonably low. In Idaho, this ranks among the three coldest Aprils of record. The average daytime maximum temperature of 53.9 degrees was the lowest ever recorded at Boise for April. The average daytime maximum temperatures for April were 7.1 degrees below normal at Lewiston, 7.5 degrees below normal at Boise, and 8.5 degrees below normal at Pocatello.

The wet weather and delayed snowmelt have created an excessive low elevation snowpack. In a normal year, there would be little or no snow remaining below elevations of about 5,000 feet by the end of April, but several areas still have a significant low-level snowpack.

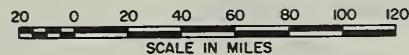
A gradual warmup without rain would produce an orderly runoff without any serious problems. Rapid and prolonged warming accompanied by heavy rain could cause widespread flooding in most streams without flood control reservoirs.

Among the drainages with the potential for high volume, rapid runoff are the Big Wood (especially at and below Magic Reservoir), the Little Wood River, and Fish Creek. In southeastern Idaho, this potential exists at Mud Lake, on Willow Creek, and within the Portneuf River basin.

**PROSPECTIVE STREAMFLOW**  
*Based on Snow Surveys made on approximately*  
MAY 1, 1975

MAY 1, 1975

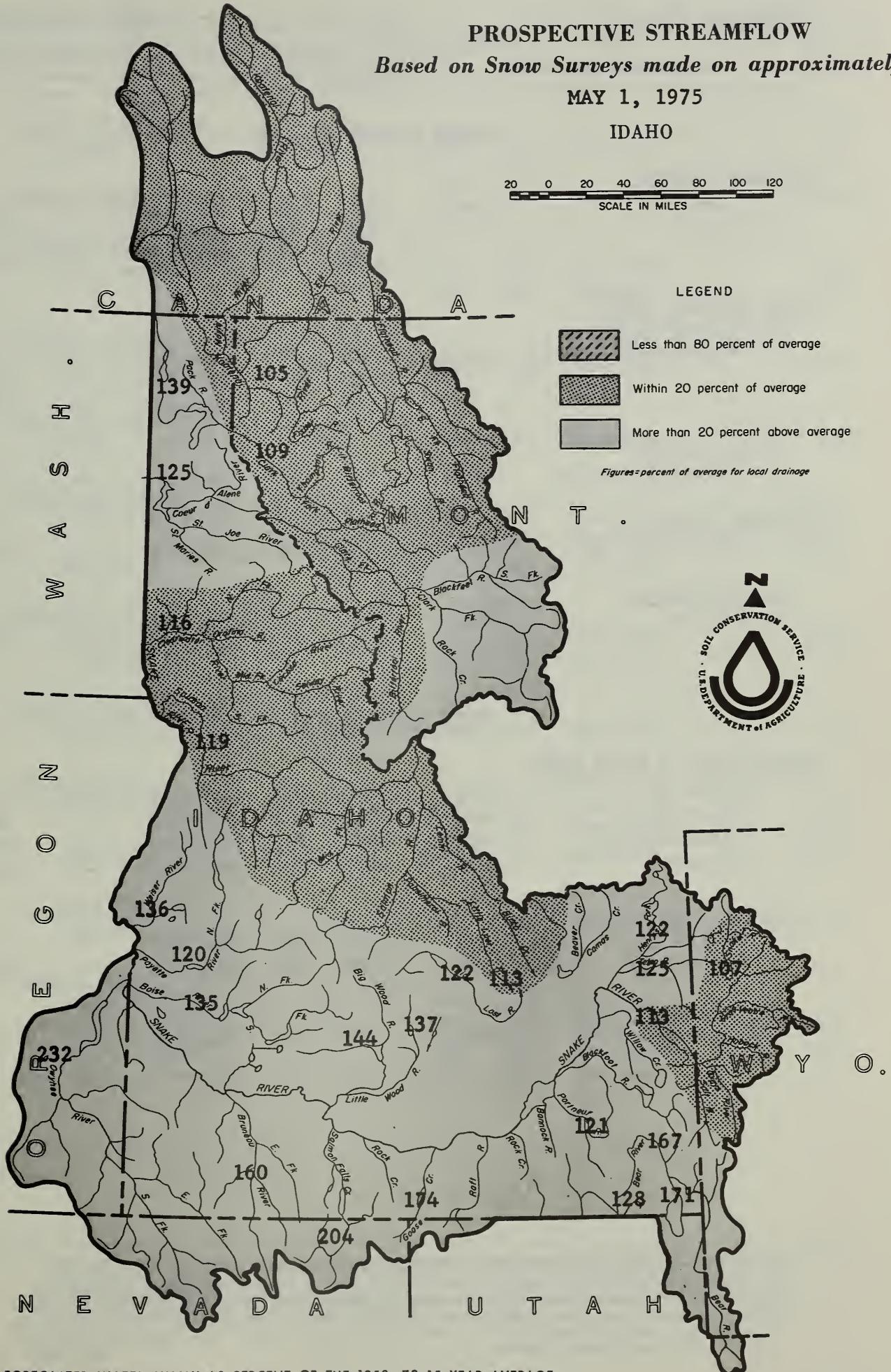
IDAHO



## LEGEND

	Less than 80 percent of average
	Within 20 percent of average
	More than 20 percent above average

*Figures = percent of average for local drainage*



**STREAMFLOW FORECASTS**

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST C		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average +

UPPER COLUMBIA BASINKOOTENAI RIVER

Leonia	(at)	8650	105	May-Sep	--	8262
		7550	106	May-Jul	--	7146
		5900	105	May-Jun	--	5620

PEND OREILLE RIVERClark Fork River

Whitehorse Rapids	(at)	13500	109	May-Sep	--	12533
		12300	111	May-Jul	--	11283
		10400	111	May-Jun	--	9523

Priest River

Priest River 1/	(nr)	950	139	May-Jul	--	685
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SPOKANE RIVER

Post Falls 2/	(at)	2550	125	May-Sep	--	2034
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St. Joe River

Calder	(at)	1250	119	May-Sep	--	1047
		1190	122	May-Jul	--	978

SNAKE RIVER BASINSNAKE RIVER - MAIN STEM

Moran 3/	(at)	920	107	Apr-Sep	--	858
Heise 4/	(nr)	4300	113	May-Sep	--	3640
Blackfoot 5/	(nr)	4575	120	May-Jul	--	3812
Weiser	(at)	6190	122	May-Sep	--	5076

Henry's Fork

Ashton 6/	(nr)	695	122	May-Sep	--	569
Rexburg 7/	(nr)	1500	123	May-Sep	--	1226

Teton River

St. Anthony	(nr)	500	125	May-Sep	--	398
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(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Priest Lake.

2/ Observed flow corrected for storage in Coeur d'Alene Lake 3/ Corrected for storage in Jackson Lake.

4/ Corrected for storage in Jackson Lake and Palisades. 5/ Corrected for storage in Jackson Lake, Palisades, Island Park, Henry's Lake, Grassy Lake and diversions between Heise and Blackfoot. 6/ Corrected for storage in Henry's Lake and Island Park Reservoir. 7/ Corrected for storage in Henry's Lake, Island Park, Grassy Lake and diversions between Ashton and Rexburg.

+ 1958-1972 period.

## STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST C Thousand Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET Last Year	Average +
<u>Portneuf River</u> Topaz (at)	80	121	May-Sep	--	66
<u>Oakley Reservoir Inflow</u>	32	174	May-Sep	--	18.4
<u>Salmon Falls Creek</u> San Jacinto (nr)	110 102	204 205	May-Sep May-Jul	-- --	54 50
<u>Bruneau River</u> Hot Springs (nr)	260	160	May-Sep	--	163
<u>Little Lost River</u> Howe (nr)	40	113	May-Sep	--	35.5
<u>Big Lost River</u> Howell Ranch (at)	235 170	119 124	May-Sep May-Jun	-- --	198 137
Mackay 1/ (nr)	205	122	May-Sep	--	168
<u>Big Wood River</u> Magic Reservoir Inflow 2/	300 280	144 144	May-Sep May-Jul	-- --	209 194
<u>Little Wood River</u> High Five Creek (ab)	100	137	May-Sep	--	73
<u>Boise River</u> Twin Springs (nr)	800 745	134 137	May-Sep May-Jul	-- --	597 542
Boise 3/ (nr)	1750	135	May-Sep	--	1276
<u>South Fork</u> Anderson Dam 4/ (at)	690	141	May-Sep	--	491
<u>Owyhee River</u> Gold Cr., Nev. 5/ (nr)	30	375	May-Jul	--	8
Owyhee, Nev. 5/ (nr)	110	268	May-Jul	--	41
Lake Owyhee net inflow 6/	418 372	232 237	May-Sep May-Jul	-- --	180 157

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Mackay Reservoir  
 2/ Combined flow Big Wood River nr. Bellevue and Camas Creek nr. Blaine. 3/ Corrected for storage in Arrowrock, Anderson Ranch and Lucky Peak. 4/ Corrected for storage in Anderson Ranch Reservoir. 5/ Corrected for storage in Wild Horse Reservoir. 6/ From U.S.B.R. records of inflow.  
 + 1958-1972 period.

**STREAMFLOW FORECASTS**

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST C Thousand Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET	Last Year      Average +

Payette River

Horseshoe Bend <u>1/</u>	(nr)	1850	120	May-Sep	--	1536
Banks <u>2/</u>	(nr)	1040	125	May-Jul	--	830

North Fork

Cascade <u>3/</u>	(at)	560	119	May-Sep	--	471
Banks <u>3/</u>	(nr)	700	119	May-Sep	--	589

Weiser River

Weiser ab. Crane Creek <u>4/</u>		370	136	May-Sep	--	274
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Salmon River

Whitebird	(at)	7500	119	May-Sep	--	6311
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Clearwater River

Spalding	(at)	8000	116	May-Sep	--	6892
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GREAT BASINBEAR RIVER

Harer	(at)	405	171	May-Sep	--	237
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Montpelier Creek

Montpelier	(nr)	17	167	May-Sep	--	10.2
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Cub River

Preston	(nr)	59	128	May-Sep	--	46.1
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(c) Assuming normal meteorological conditions. 1/ Corrected for storage in Cascade and Deadwood Reservoirs. 2/ Corrected for storage in Deadwood Reservoir. 3/ Corrected for storage in Cascade Reservoir. 4. Observed flow of Weiser River nr. Weiser minus observed flow of Crane Creek at mouth. + 1958-1972 period.

## VALLEY PRECIPITATION 1/

## Division Averages and Departures

In Inches

DRAINAGE DIVISIONS	Spring April 1975		Fall - Winter Nov. 74 - Apr. 75	
	Observed	Departure 2/	Observed	Departure 2/
Kootenai, Canada & U.S.	1.13	-0.48	19.78	+4.05
Flathead	1.53	-0.18	12.10	-0.74
Clark Fork	2.09	+1.03	7.04	+1.03
Pend Oreille-Spokane	1.93	-0.37	23.47	+2.42
Upper Snake	2.56	+0.77	12.71	+0.81
Snake River Plain	1.68	+0.72	7.22	+1.35
Salmon-Payette-Boise	2.01	+0.54	15.14	+1.63
Clearwater	3.31	+0.14	20.33	+1.52
Owyhee-Malheur	1.65	+0.89	7.68	+1.29

1/ Preliminary analysis and data by the National Weather Service and Meteorological Service of Canada.

2/ Departure from 15-year (1958-72) drainage division average.

## RESERVOIR STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	1958-72 AVERAGE
<u>UPPER COLUMBIA BASIN</u>				
<u>Clark Fork - Pend Oreille</u>				
Hungry Horse	3428.0	1689.0	1522.0	2006.0
Flathead	1791.0	648.0	1221.0	977.9
Pend Oreille	1155.1	381.6	698.5	534.3
Noxon	334.6	117.3	207.6	138.4
<u>Spokane</u>				
Coeur d'Alene	225.1	204.2	419.1	253.1
<u>SNAKE BASIN</u>				
<u>Snake</u>				
Jackson Lake	847.0	631.6	499.2	501.7
Palisades	1200.0	333.4	425.9	774.4
American Falls	1125.0	1107.9	1218.3	1089.7
Island Park	127.0	112.5	110.5	132.1
Grassy Lake	15.2	11.3	11.2	10.9
Brownlee	980.2	305.8	270.9	432.9*
<u>Goose-Trapper Creeks</u>				
Oakley	74.4	51.2	59.5	27.3
<u>Salmon Falls Creek</u>				
Salmon Falls	182.6	78.4	120.1	59.4
<u>Big Lost</u>				
Mackay	44.2	31.9	41.3	31.7
<u>Big Wood</u>				
Magic	191.5	138.3	191.5	170.2
<u>Little Wood</u>				
Little Wood	30.0	7.2	20.4	24.6
<u>Fish Creek</u>				
Carey Valley	14.4	10.6	13.0	--
<u>Boise</u>				
Anderson Ranch	423.2	247.8	297.3	282.0
Arrowrock	286.6	91.7	240.7	231.4
Lucky Peak	278.2	83.0	93.8	142.5
Lake Lowell (Deer Flat)	169.0	166.5	150.8	155.4
<u>Owyhee</u>				
Owyhee	715.0	627.0	712.7	563.7
<u>Payette</u>				
Cascade	653.2	254.6	248.6	353.8
Deadwood	161.9	97.0	72.5	92.4
<u>Weiser</u>				
Mann Creek	11.1	7.4	10.3	--
<u>Clearwater</u>				
Dworshak	2016.0	306.9	186.8	--
<u>GREAT BASIN</u>				
<u>Bear</u>				
Bear Lake	1421.0	1133.5	1155.8	1040.0

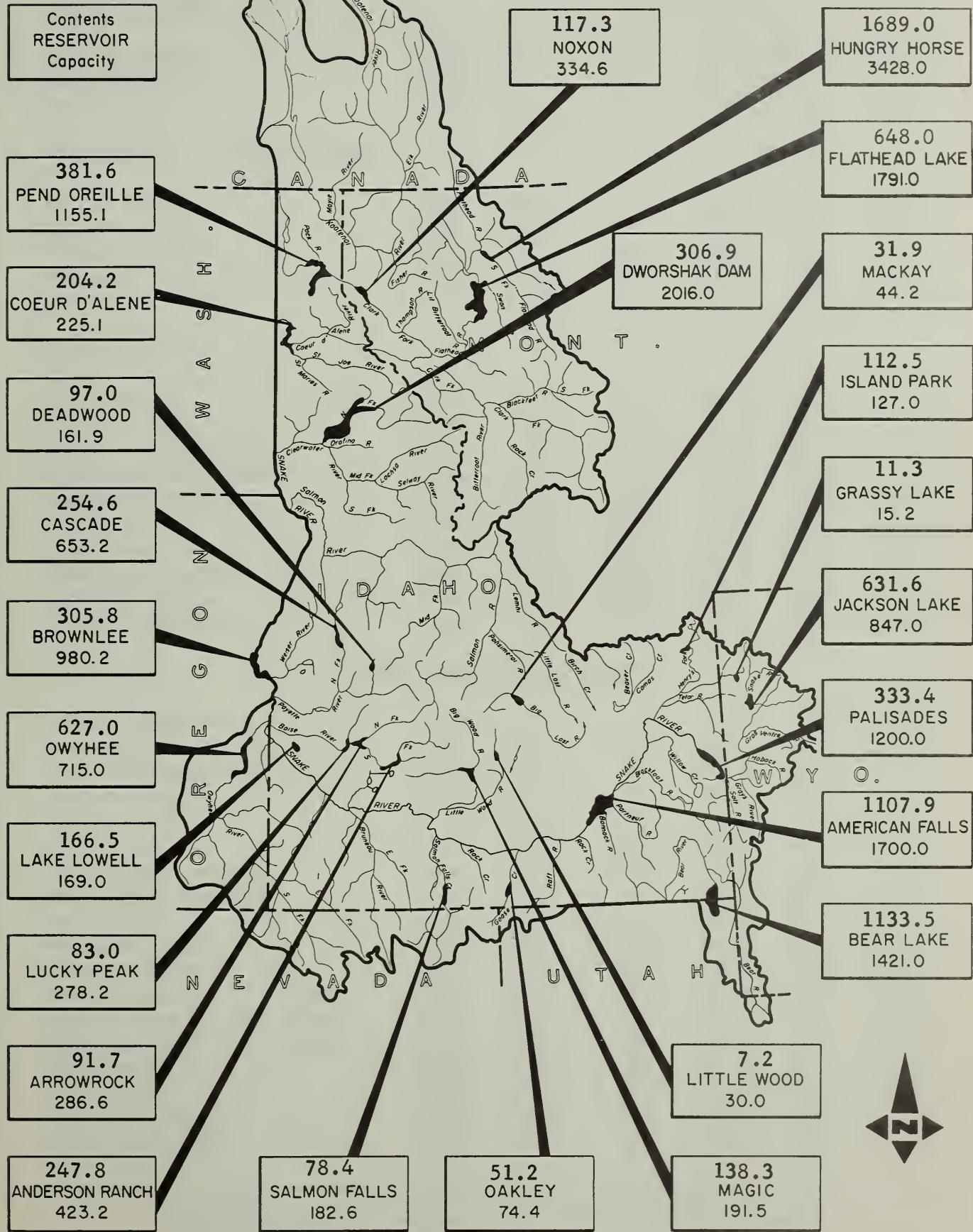
\*Period of Record.

# RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)

MAY 1, 1975

50 0 50 100 150  
SCALE IN MILES





SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average b
NAME	Elevation					

UPPER COLUMBIA RIVER BASINKOOTENAI RIVER

Bear Mountain	5400	5/1	161	71.5	118.0	68.8*
Halverson Creek	4850	5/1	122	56.7	--	49.7*
Smith Creek	4800	5/1	121	57.5	75.6	48.6

PEND OREILLE - PRIEST RIVER

Benton Meadow	2344	4/30	0	0.0	0.0	0.0
Benton Spring	4900	4/30	60	25.0	27.0	15.7
Mosquito Ridge	5110	5/1	106	46.0	--	--
Schweitzer Bowl	4500	4/29	94	41.9	42.2	26.6*
Schweitzer Ridge	6100	4/29	155	70.2	70.5	50.6*

SPOKANE RIVER

Above Burke	4100	4/25	76	33.6	28.8	--
Copper Ridge	4800	4/29	76	31.0	37.5	27.3
#Forty-nine Meadows	5000	4/30	81	31.0	34.5	30.3*
Fourth of July Summit	3100	4/25	14	5.5	0.0	--
Granite Peak	6000	4/30	133	46.2	60.4	48.3*
Lookout	5250	4/25	106	45.6	47.2	36.7
#Lost Lake	6000	4/30	155	59.6	104.0	62.0*
Lower Sands Creek	3400	4/29	54	23.0	27.1	16.0
Medicine Ridge	6150	4/30	130	47.4	59.8	51.5*
Mosquito Ridge	5110	5/1	106	46.0	--	--

LOWER SNAKE RIVER BASIN

Cayuse Airstrip	3700	5/1	22	7.9	1.2	0.3*
Coolwater Mountain	6200	5/1	122	42.2	42.1	34.5*
Coolwater Mountain (SP)	6200	5/1	--	38.8	40.8	--
Crater Meadows	6100	5/1	131	50.2	56.6	50.2*
Crooked Fork	3600	4/28	33	13.4	7.6	--
Elk Butte	5550	4/30	108	41.0	49.4	36.1*
Fish Lake Airstrip	5000	5/1	124	44.4	49.8	42.6*
Forty-nine Meadows	5000	4/30	81	31.0	34.5	30.3*
Goat Lake	6600	5/1	140	52.0	61.8	54.7*
#Granite Peak	6000	4/30	133	46.2	60.4	48.3*
Hemlock Butte	5500	5/1	153	56.4	64.8	54.4*
#Hoodoo Basin	Mont.	6000	5/2	137	60.8	75.2
#Hoodoo Basin (SP)	Mont.	6000	4/30	--	55.7	--
#Hoodoo Creek	Mont.	5900	5/2	128	57.6	72.2
Lolo Pass		5250	4/28	96	37.8	40.5
Lost Lake		6000	4/30	155	59.6	104.0
#Medicine Ridge		6150	4/30	130	47.4	59.8
#Nez Perce Pass	Mont.	6575	5/2	69	28.0	23.0
						15.6

(b) 1958-72, 15 year period. #Not located directly on this drainage. \* Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent.  
(R) Radioactive Gage snow-water equivalent.

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SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	Average <sup>b</sup>

Orogrande Mountain	7800	5/1	150	48.0	48.2	47.5*
Pierce Ranger Station	3170	4/30	23	9.2	0.0	1.3
Powell Ranger Station	3410	4/28	21	8.9	3.2	0.0
Savage Pass	6160	4/29	92	34.4	35.1	29.2
Savage Pass (New)	6160	4/29	94	34.3	35.8	--
Shanghai Summit	4600	5/1	85	32.0	35.9	24.0*

SALMON RIVER

Big Creek Summit	6600	5/1	111	46.5	58.6	37.0	
#Boulder Creek	5500	4/28	75	32.2	31.6	15.7*	
Brundage Mountain	7560	4/28	150	62.2	65.8	51.9*	
#Deadwood Summit	7000	4/29	124	54.3	71.5	48.4*	
#Galena Summit	8795	5/2	99	36.5	42.0	26.0	
#Gibbons Pass	Mont.	7100	4/30	92	33.9	31.9	24.2
#Lemhi Pass	Mont.	7480	5/2	48	16.0	--	--
#Lemhi Ridge	Mont.	8100	5/2	57	19.6	--	--
Mill Creek Summit	8870	4/30	82	29.8	37.4	25.6*	
Moose Creek	6200	4/30	70	25.4	20.0	16.0*	
Morgan Creek	7580	5/1	65	21.8	16.8	13.1*	
#Rock Flat Summit	5200	4/29	64	23.9	25.2	16.5*	
#Secesh Summit	6440	4/26	107	44.8	60.3	--	
#Squaw Meadow	5800	4/26	105	45.0	56.8	36.5*	
Vienna Mine	8900	4/29	123	49.2	62.5	37.9*	

MIDDLE SNAKE RIVER BASIN - NORTHSIDE

BIG LOST RIVER

Bear Canyon	7920	4/28	62	20.5	27.2	--
Copper Basin	7650	4/28	40	14.0	9.8	--
Fishpole Lake	9350	4/28	86	28.9	--	--
Lost-Wood Divide	7900	4/28	81	29.5	39.5	--
Stickney Mill	7500	4/28	43	13.7	T	--

LITTLE WOOD RIVER

#Bear Canyon	7920	4/28	62	20.5	27.2	--
Garfield Ranger Station	6554	5/1	34	12.6	0.0	--
Muldoon	6300	5/1	19	7.0	0.0	--
Swede Peak	7650	5/1	60	23.0	17.3	15.0*

BIG WOOD RIVER

Galena	7300	5/2	68	25.8	26.8	15.5
Galena Summit	8795	5/2	99	36.5	42.0	26.0
Graham Ranch	6200	5/2	42	15.5	6.6	7.0*
#Lost-Wood Divide	7900	4/28	81	29.5	39.5	--

(b) 1958-72, 15 year period. #Not located directly on this drainage. \*Estimated 1958-72, 15 year average. (A) Aerial observation. Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	Last Year
NAME	Elevation					

Mascot Mine	7900	4/28	55	17.7	18.8	--
Mount Baldy	9000	4/30	86	26.9	31.4	22.7
Soldier Ranger Station	6100	4/30	28	11.1	0.0	--
#Vienna Mine	8900	4/29	123	49.2	62.5	37.9*

BOISE RIVER

Atlanta Summit	7500	4/29	121	47.7	49.6	36.1
Bad Bear	5500	4/29	43	16.4	8.9	5.0*
#Bogus Basin	6120	4/30	102	38.2	25.5	23.2
Bogus Basin Road	5360	4/30	18	6.6	0.0	0.0
Jackson Peak	7000	4/29	100	40.1	48.9	31.8*
Moores Creek Summit	6100	4/29	108	44.0	45.0	31.9
#Soldier Ranger Station	6100	4/30	28	11.1	0.0	--
Trinity Mountain	7780	4/29	133	56.0	63.6	44.2*
#Vienna Mine	8900	4/29	123	49.2	62.5	37.9*

PAYETTE RIVER

#Big Creek Summit	6600	5/1	111	46.5	58.6	37.0
Bogus Basin	6120	4/30	102	38.2	25.5	23.2
#Brundage Mountain	7560	4/28	150	62.2	65.8	51.9*
Crawford Ranger Station	4800	5/1	15	5.9	0.0	0.0
Deadwood Airstrip	5440	4/29	44	19.8	8.9	7.3*
Deadwood Summit	7000	4/29	124	54.3	71.5	48.4*
#Jackson Peak	7000	4/29	100	40.1	48.9	31.8*
Lake Fork	6000	5/1	54	22.1	20.4	--
Rock Flat Summit	5200	4/29	64	23.9	25.2	16.5*
Secesh Summit	6440	4/26	107	44.8	60.3	--
Squaw Meadow	5800	4/26	105	45.0	56.8	36.5*

WEISER RIVER

Boulder Creek	5500	4/28	75	32.2	31.6	15.7*
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MIDDLE SNAKE RIVER BASIN - SOUTHSIDESALMON FALLS CREEK

#Bear Creek (A)	Nev.	7800	4/30	93	32.6	18.8	20.0*
Cedar Creek (A)		7000	4/30	50	17.6	0.0	3.1
Deadline		6900	4/29	100	38.8	26.4	19.5
Goat Creek	Nev.	8800	4/29	85	27.5	18.4	20.1
#Hummingbird Springs (A)	Nev.	8945	4/30	119	41.3	26.9	26.2
Magic Mountain		6700	4/29	80	29.8	24.7	15.9
#Pole Creek R. S.	Nev.	8330	4/29	99	34.6	26.1	22.7
Red Point (A)	Nev.	7940	4/30	53	18.4	0.0	--
Shoshone Basin		5740	4/29	30	9.8	--	--
Wilson Creek (A)		7500	4/30	52	18.6	0.0	--

(b) 1958-72, 15 year period. #Not located directly on this drainage. \* Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent.  
(R) Radioactive Gage snow-water equivalent.

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	Last Year
NAME	Elevation					

BRUNEAU RIVER

Bear Creek (A)	Nev.	7800	4/30	93	32.6	18.8	20.0*
Hummingbird Springs (A)	Nev.	8945	4/30	119	41.3	26.9	26.2
Pole Creek R. S.	Nev.	8330	4/29	99	34.6	26.1	22.7
#Seventy-six Creek (A)	Nev.	7100	4/30	42	16.0	T	--

OWYHEE RIVER

#Bear Creek (A)	Nev.	7800	4/30	93	32.6	18.8	20.0*
#Seventy-six Creek (A)	Nev.	7100	4/30	42	16.0	T	--
Silver City		6400	5/6	60	23.0	15.1	8.9*

UPPER SNAKE RIVER BASINHENRYS FORK RIVER

Big Springs		6500	4/30	64	24.2	23.3	17.1*
Black Canyon		7850	4/29	107	43.4	52.0	--
Black Moose		8130	4/29	124	52.8	59.8	--
Grassy Lake	Wyo.	7230	4/29	106	43.1	49.2	34.3*
Island Park		6315	4/30	57	21.4	15.8	10.2
Latham Springs		7650	4/29	103	41.0	52.0	--
Lucky Dog		6900	4/29	84	32.9	35.4	--
Sawtell Mountain		8720	4/30	115	43.4	49.9	38.1*
Targhee Pass		7000	4/30	49	17.3	15.9	15.4*
Valley View		6500	4/30	58	22.5	11.8	14.2*
White Elephant		7700	4/30	83	31.7	39.5	--

TETON RIVER

Darby Canyon	Wyo.	8250	4/30	93	30.8	30.9	--
Freds Mountain	Wyo.	8150	4/30	91	30.3	30.7	--
Garns Mountain		8300	4/30	112	42.6	49.1	--
Indian Meadows	Wyo.	8240	4/30	124	46.3	51.8	--
Jackpine Creek	Wyo.	7350	4/30	83	30.3	28.5	--
McRenolds Reservoir		6800	4/30	76	28.1	19.9	--
Miles Creek	Wyo.	7300	4/30	55	18.6	10.9	--
Phillips Bench	Wyo.	8200	4/30	100	37.2	43.1	--
Pine Creek Pass		6750	4/30	63	22.8	20.1	12.5*
State Line		6650	4/30	58	20.2	13.2	8.4
Teton Pass W.S.	Wyo.	8400	4/30	96	35.0	38.3	--

WILLOW CREEK

Aspen Grove		6600	4/28	56	17.2	0.0	--
Birch Creek		6800	4/28	56	19.2	0.0	--
Blue Ridge		6800	4/28	66	25.6	3.3	--

**SNOW**

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average
NAME	Elevation					
Bone	6200	4/28	22	7.0	0.0	--
Brockman Station	6430	4/28	39	14.4	0.0	--
Hell Creek	7100	4/28	56	20.4	2.5	--
Mud Creek	7150	4/28	62	22.1	7.2	--
Sheep Mountain	6510	4/28	45	15.4	0.0	--
Tex Creek	6550	4/28	50	14.0	0.0	--

**BLACKFOOT RIVER**

Slug Creek Divide	7230	5/1	57	21.6	12.9	--
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**GREAT BASIN****BEAR RIVER****Montpelier Creek**

Giveout	6840	5/1	38	15.5	0.0	6.7*
Little Beaver	6970	5/1	49	19.4	0.0	11.6*
Lower Home Canyon	7500	5/1	47	18.0	8.8	--
Montpelier Creek	6570	5/1	19	6.9	0.0	--
Upper Home Canyon	8500	5/1	82	29.5	23.2	--
Whiskey Flat	6985	5/1	27	10.6	0.0	3.2*

**Cub River**

#Franklin Basin	8000	4/29	91	35.4	--	--
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## SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						
<u>SPOKANE RIVER</u>							
Fourth of July Summit	3100	48	11.6	4/25	9.1	10.0	10.2
Lookout	5250	48	11.0	4/25	8.5	8.6	8.4
<u>SALMON RIVER</u>							
Mill Creek Summit	8870	48	9.4	4/30	2.7*	6.6	3.4
<u>BIG WOOD RIVER</u>							
Galena	7300	48	10.1	5/2	6.6	--	9.1
Galena Summit	8795	48	5.8	5/2	1.7	--	1.7
<u>SALMON FALLS CREEK</u>							
Patrick Ranch	5720	36	7.7	4/29	6.8	--	6.7
<u>HENRYS FORK RIVER</u>							
Island Park	6315	48	9.9	4/30	9.5	10.7	9.5
<u>BEAR RIVER</u>							
Montpelier Creek							
Giveout Pass	7025	36	9.4	5/1	8.0	7.9	4.3
Jenson Ranch	6580	48	18.7	5/1	15.8	15.4	13.1

\*Partially Frozen.

# Agencies and Organizations Cooperating in Idaho Snow Surveys

## GOVERNMENT AGENCIES

### States:

Idaho Department of Water Resources  
State of Idaho Department of Fish and Game  
University of Idaho  
Idaho State University  
Montana Agricultural Experiment Station  
Montana State Water Conservation Board  
Montana Cooperative Snow Surveys  
Nevada Cooperative Snow Surveys  
Oregon Agricultural Experiment Station  
Oregon Cooperative Snow Surveys  
Oregon State Engineer and Corps of  
State Watermasters  
Utah Cooperative Snow Surveys  
Wyoming Cooperative Snow Surveys

### Federal:

U.S. Army Engineers  
  
U.S. Department of Agriculture  
Forest Service  
Agriculture Research Service  
  
U.S. Department of Commerce  
NOAA, National Weather Service  
  
U.S. Department of the Interior  
Bonneville Power Administration  
Bureau of Reclamation  
Fish and Wildlife Service  
Water Resources Division, Geological Survey  
National Park Service  
Bureau of Land Management

## PUBLIC UTILITIES

The Montana Power Company  
Washington Water Power Company  
Idaho Power Company  
Utah Power and Light Company

## ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigation District  
Blaine Soil Conservation District  
Boise Project Board of Control  
Idaho Water District #01  
Little Wood River Irrigation District  
Mann Creek Irrigation District  
Salmon Falls Creek Irrigation Company  
Twin Falls Soil Conservation District  
Big Wood Irrigation Company  
Owyhee Project - North & South Board of Control

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with the Snow Survey”

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